

	Type	L #	Hits	Search Text
1	BRS	L1	331	"rj-45" with "rj-11"
2	BRS	L2	53464	455/\$5.ccls.
3	BRS	L3	13	1 and 2

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2004/03/24 09:56		
2	USPAT; US-PGPUB	2004/03/24 09:56		
3	USPAT; US-PGPUB	2004/03/24 09:57		

US-PAT-NO: **6404393**

DOCUMENT-IDENTIFIER: **US 6404393 B1**

TITLE: **Embedded antenna in a type II PCMCIA card**

----- **KWIC** -----

Detailed Description Text - DETX (4):

In the present embodiment, peripheral component 108 is a type II PCMCIA card. The peripheral component 108 has three different types of interfaces on it. For example, the peripheral component 108 has a receptacle interface, which is an X-Jack.TM. in a preferred embodiment. In other embodiments, the receptacle is any receptacle suited to receive an RJ11 plug and/or an RJ-45 plug. The receptacle allows the host computer 120 to connect through a phone line (RJ-11) or Ethernet connection (RJ-45) to, for example, the Internet or a LAN 125. The receptacle may also be suitable for an ISDN connection, a Digital Subscriber Line connection (DSL), or the like.

Claims Text - CLTX (13):

7. The peripheral component of claim 1 wherein said receptacle is operable to connect to a plug selected from a group consisting of: an RJ-11 plug, and an RJ-45 plug.

Claims Text - CLTX (23):

13. The apparatus of claim 11 wherein said receptacle is operable to connect to a plug selected from a group consisting of: an RJ-11 plug, and an RJ-45 plug.

Claims Text - CLTX (33):

17. The type II PCMCIA card of claim 15 wherein said receptacle is operable to connect to a plug selected from a group consisting of: an RJ-11 plug, and an RJ-45 plug.

Current US Cross Reference Classification - CCXR (2):

455/90.1

DOCUMENT-IDENTIFIER: US 20020065076 A1

**TITLE: APPARATUS AND METHOD FOR
SELECTION OF CIRCUIT IN
MULTI-CIRCUIT COMMUNICATIONS
DEVICE**

----- KWIC -----

Current US Classification, US Primary Class/Subclass -

CCPR (1):

455/552.1

Summary of Invention Paragraph - BSTX (11):

**[0010] In the preferred embodiments of the invention,
means for detecting
the presence of a wireline service is provided directly on
the cellular
handset. This is accomplished by physical insertion of a
wireline into the
RJ-11 or RJ-45 jack or by electrical detection of the
wireline itself. The
following embodiments have been incorporated to
accomplish this function: (1) a
physical switch is installed behind the RJ-11 or RJ-45
jack to detect insertion**

of a wireline plug; (2) optical detection; (3) detection of a dial tone or other audio detection; (4) detection of line voltage to determine the presence of a connection, (5) detection of the presence of a digital signal or digital protocol to determine the presence of a connection. A combination of detection systems may be utilized for better reliability. For example, if a physical switch is used in combination with the dial tone detector, the system will go into land line mode as soon as a wireline plug is inserted in the RJ-11 jack. However, if no dial tone is detected when a transmission is initiated, the system will default to the wireless mode.

Summary of Invention Paragraph - BSTX (12):

[0011] The same methods can also be employed to switch between first priority and second or lower priority transmission systems of the same genre. For example, the system may include a low cost wired, Internet based standard land line primary system and a high cost, wired, secure land line secondary transmission system. The apparatus and method of the present invention permits the system to always select the low cost line, for

**example, if it is present by
being connected through the RJ-45 jack, but will default
to the secondary
transmission system through the RJ-11 jack if the low
cost Internet based line
is not connected, or cannot be accessed. Another
example would be the use of
multiple wireless systems such as PCS wireless backed
up by analog wireless or
cellular. Wired and wireless systems could also be
combined as primary and
secondary systems.**

Detail Description Paragraph - DETX (2):

**[0039] The preferred embodiments of the invention
comprise a method of and
apparatus for transparently selecting one of a plurality of
transmission
schemes for transmitting audio and/or data signals from
a hand held, portable
signal capture device. The connections to the
transmission system can be any
compatible method including, by way of example, an
RJ-11 switch for land line
telephone, an 8 pin modular jack such as an RJ-45 type
jack, for ISDN, LAN,
Internet or Ethernet transmission, or other. While for
convenience of
discussion reference is made to RJ-11 and RJ-45 jacks
throughout the**

description, such terms are not intended to be limiting.

Detail Description Paragraph - DETX (21):

[0058] FIG. 13 is similar to FIG. 9 and shows a system capable of selecting between the wireless transceiver 66, a wired LAN connected through the RJ-45 jack, the LAN interface 92, protocol engine 94 and the CODEC module 96, or the POTS interface 98 and RJ-11 jack 100 utilizing discrete circuitry depending on the transmission system selected. In this embodiment, there are three genre or classes of transmission available, wireless as indicated by transceiver 66 and antenna 58; wired LAN as indicated the the CODEC module 96, the protocol engine 94 and the LAN interface 92, with an RJ-11 connector jack 90; and land line or POTS telephone, as indicated by the POTS interface 98 and the RJ-11 connector jack 100. The input may be either digital, as indicated by the data modem 53, or analog, as indicated by the microphone 52 and the speaker 54. Where an analog transmissions system is used, sych as the wireless transceiver or the POTS interface, the analog input is connected directly to the transceiver. Where a digital input signal is to be sent over an analog

output system the signal is converted, and likewise, where an analog signal is sent over digital transmission systems. For example, the CODEC module compresses and digitizes analog audio input for transmission via the internet and decompresses and converts digital signal received via the internet for receipt at the analog I/O device such as speaker 54.

Detail Description Paragraph - DETX (22):

[0059] FIG. 14 is a comprehensive system for transmitting text data via an I/O device, or a modem interface 104, as well as voice via the voice CODEC module, as in FIG. 13, but utilizes a shared circuitry or complex circuitry configuration. In this configuration, three input devices are provided, a digital text data I/O 102, a digital data modem 104 and an analog I/O comprising Micropone 110 and speaker 108. The analog data bus is provided as indicated at 111, 113, and when conversion between digital and analog voice signals are required, the voice CODEC 106 is employed. A digital data bus is provided at 107, 109 for directing the digital signal to a protocol engine for

provided output signals in proper protocol on signal bus 113, 115. The example shown in FIG. 10 supports transmission over a plurality of analog and digital transmission systems, as follows: a first digital wireless system "A" 112, a second digital wireless system "B" 114, a digital LAN system 116 supported by the RJ-45 jack 117, an analog wireless transceiver 118 such as a cellular telephone and a land line telephone system as indicated by POTS interface 120 supported by RJ-11 jack 121. As previously described, the analog signals bypass the protocol engine 111 when transmitted or received via an analog system. The control processor 122 provides control parameters including the priority selection procedure and may be operator controll at keypad 126 or may be pre programmed. A display 124 provides operator monitoring capability.

This system will permit complex priority decisions. For example, one transmission system may be first priority for a voice only transmission, whereas a second system may be first priority for a text only data transmission. Time of day may be a factor in choosing priorities as well, depending on whether a transmission is sent during peak

or off-peak periods.

	Type	L #	Hits	Search Text
1	BRS	L1	2370	455/557,559,556.1,556.2,575.1,550 .1.cccls.
2	BRS	L2	0	(muti adj purpose) adj3 connector
3	BRS	L3	0	(muti adj purpose) adj3 connect\$3
4	BRS	L4	0	(muti adj purpose) near3 connect\$3
5	BRS	L5	150	(multi adj purpose) adj3 connect\$3
6	BRS	L6	1	1 and 5
7	BRS	L7	1654	multiple adj interface
8	BRS	L8	1	1 and 7
9	BRS	L9	0	"i/o adj ports"
10	BRS	L10	7330	"i/o" adj ports
11	BRS	L11	25	1 and 10
12	BRS	L12	1390	universal adj3 connector
13	BRS	L13	12	1 and 12
14	BRS	L14	1792	universal adj3 interface
15	BRS	L15	30	1 and 14
16	BRS	L16	1579	external adj "i/o"
17	BRS	L17	14	1 and 16

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2004/03/24 08:16		
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3	USPAT; US-PGPUB	2004/03/24 08:17		
4	USPAT; US-PGPUB	2004/03/24 08:17		
5	USPAT; US-PGPUB	2004/03/24 08:18		
6	USPAT; US-PGPUB	2004/03/24 08:19		
7	USPAT; US-PGPUB	2004/03/24 08:19		
8	USPAT; US-PGPUB	2004/03/24 08:20		
9	USPAT; US-PGPUB	2004/03/24 08:21		
10	USPAT; US-PGPUB	2004/03/24 08:21		
11	USPAT; US-PGPUB	2004/03/24 08:47		
12	USPAT; US-PGPUB	2004/03/24 08:56		
13	USPAT; US-PGPUB	2004/03/24 08:47		
14	USPAT; US-PGPUB	2004/03/24 08:57		
15	USPAT; US-PGPUB	2004/03/24 09:02		
16	USPAT; US-PGPUB	2004/03/24 09:03		
17	USPAT; US-PGPUB	2004/03/24 09:03		